ATTORNEY DOCKET NO. D900D

PATENT U.S. Serial No. 10/079,775



-1-

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Marina V. Plat and Angela T. Hui

Serial No .:

10/079,775

Filed:

February 19, 2002

Title:

METHOD & SYSTEM FOR REDUCING ARC LAYER REMOVAL DURING

REMOVAL OF PHOTORESIST

Art Unit:

2823

Examiner:

Lee, Hsien Ming

DECLARATION PURSUANT TO 37 C.F.R. § 1.131

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

I, Marina V. Plat declare that:

RECEIVED ROOM

CERTIFICATION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on ________, 2003.

Signature

Toni Stanley

(Printed name of person certifying)

- 1. I am a joint inventor of the subject matter of the present U.S. patent application, Serial No. 10/079,775, METHOD & SYSTEM FOR REDUCING ARC LAYER REMOVAL DURING REMOVAL OF PHOTORESIST filed on February 19, 2002, with a first priority date of November 2, 1999.
- 2. I have been informed that in the present application, certain claims have been rejected based in part on a reference to Chung et al. (U.S. Patent No. 6,184,142) (hereinafter "Chung"), Serial No. 09/302,204, entitled "Process for Low K Organic Dielectric Film Etch" with a priority date of April 26, 1999 and in part on a reference to Li, et al. (U.S. Patent No. 6,423,628) (hereinafter "Li"), Serial No. 09/425,552, entitled "Method of Forming an Integrated Circuit Structure Having Low Dielectric Constant Material and Having Silicon Oxynitride Caps Over Closely Spaced Apart Metal Lines" with a priority date of October 22, 1999.
- 3. As set out in detail below in paragraphs 5-7, my co-inventor and I conceived of the subject matter claimed in the present invention within the United States prior to the effective dates of Chung and Li.
- 4. As set out in detail below in paragraphs 8-11, beginning from a date earlier than the effective dates of Chung and Li, my co-inventor and I diligently pursued reduction to practice of the invention through the filing of the present application.

CONCEPTION

- 5. Exhibit 1, attached hereto, is a true copy of a disclosure of the present invention as submitted to counsel during an invention harvesting session at Advanced Micro Devices, Inc. ("AMD").
- 6. Page number 2 of Exhibit 1 describes the problem with the prior art semiconductor fabrication process. The disclosure also provides a solution to the problem. The disclosure provides evidence that the claimed method for reducing removal of the antireflective-coating (ARC) layer during removal of a photoresist layer during semiconductor fabrication was conceived at the time of the patent harvesting session.
- 7. The date of the disclosure in Exhibit 1 has been redacted; however, the date of the disclosure predates the effective date of the *Chung* and *Li* patents.

REDUCTION TO PRACTICE

- 8. On information and belief, my co-inventor and I were diligent in constructively reducing our invention to practice through the preparation and filing of a patent application that described and claimed the subject matter of our invention.
- 9. During a period beginning prior to the effective date of the prior art references we worked with counsel on the preparation of a patent application describing and claiming the subject matter of our invention. Attached as Exhibit 2 are copies of letters from counsel forwarding draft copies of the application for review.

ATTORNEY DOCKET NO.PATENT D900DU.S. Serial No. 10/079,775

- 10. Said application was executed by my co-inventor and I, and filed with the United States Patent and Trademark Office on or about November 2, 1999. The application was assigned Serial No. 09/433,541.
- 11. The present application is a divisional of application Serial No. 09/433,541 and claims priority from that application.
- 12. I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent issued thereon.

Marina V. Plat 10.23.03

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ATTORNEY DOCKET NO. D900D 101/12 200

PATENT U.S. Serial No. 10/079,775



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Marina V. Plat and Angela T. Hui

Serial No.:

10/079,775

Filed:

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Dear Sir:

I, Angela T. Hui, declare that:

CERTIFICATION UNDER 37 C.F.R. § 1.8

Signature

Toni Stanley

(Printed name of person certifying)

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Angela 7. Hui

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	Exhibit 1

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